

# Technical Datasheet

**Analysis Name:** VIDAS® SET 2 for Detection of Staphylococcal Enterotoxins

**Method Number** LIBR 178

**Scope of Application:** Most food types including Liquid food, Canned Raw meat products, seafood, delicatessen meats, and dairy products.

**Description:** The VIDAS Staph enterotoxin II (SET 2) test is an enzyme-linked fluorescent immunoassay (ELFA) used on the automated VIDAS instrument for the specific detection of Staphylococcal enterotoxins (SET) A, B, C1, C2, C3, D, and E. The food matrix is blended in a buffer or water solution (depending on food matrix). The toxin is then extracted from the food by acid precipitation, centrifugation, or both. The food extract is then pipetted into the VIDAS strip and loaded onto the instrument. SET present in the sample will bind to the anti-SET monoclonal antibodies coated on the interior of the SPR. Alkaline phosphatase-labeled antibodies are cycled in and out of the SPR and will bind to any SET captured on the SPR wall. During the final detection step, the substrate is cycled in and out of the SPR. The bound enzyme conjugate catalyzes the hydrolysis of this substrate into a fluorescent product which is detected by the VIDAS instrument.

**Sample Weight Required:** 50g

**Method Reference:** AOAC – 2007.06

**Analytical Platform:** Enzyme Linked Fluorescent Assay

Analyte Reported	Unit of Measure	Limit of Quantification (LOQ)
Staphylococcal Enterotoxins	Presence/Absence	≥1 ng/g